

IDENTIFICATION OF COMPONENTS IN THE UNABSORBED TMAE
FRACTION: SDS-PAGE ISOLATION OF PEPTIDES

(CNBr CLEAVAGE OF UNABSORBED TMAE FRACTION FOLLOWED BY SDS-PAGE AND N-TERM
SEQUENCING OF FRAGMENTS FROM PVDF BLOT)

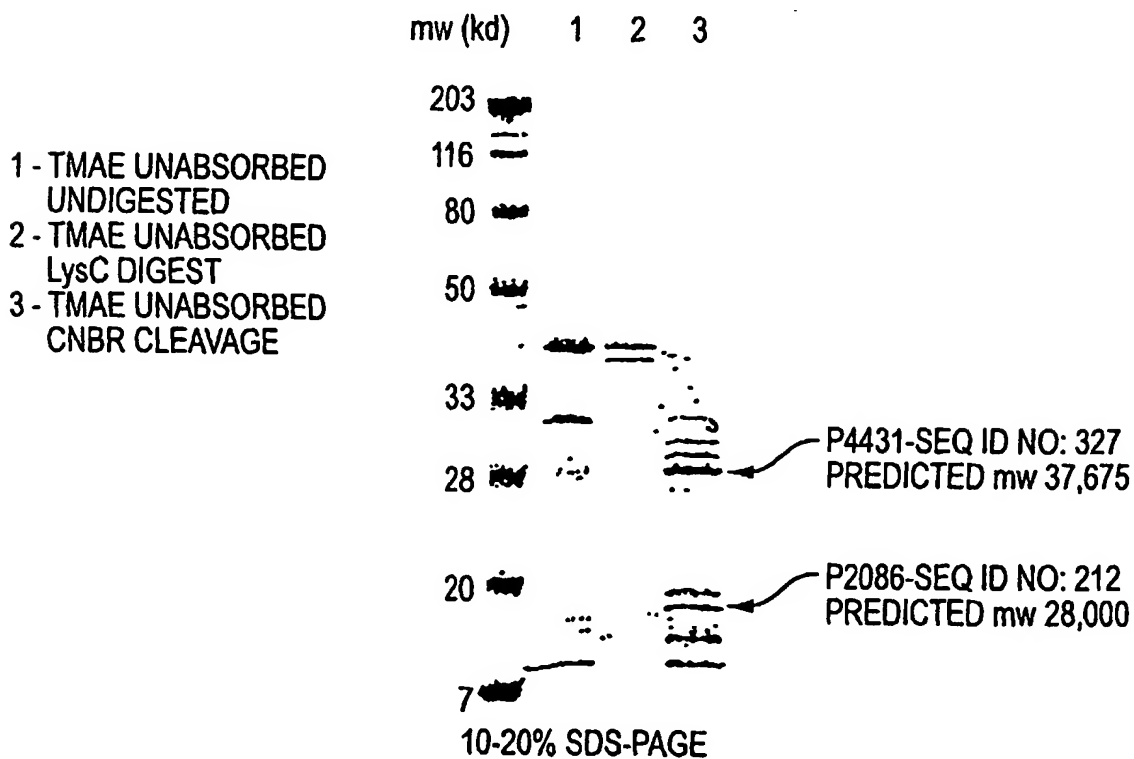


FIG. 1A

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IDENTIFICATION OF COMPONENTS IN THE UNABSORBED TMAE
FRACTION: REVERSE PHASE ISOLATION OF PEPTIDES

ENZYMATIC DIGESTION OF UNABSORBED TMAE FRACTION FOLLOWED BY
REVERSE PHASE CHROMATOGRAPHY SEPARATION OF PEPTIDES AND DIRECT
N-TERMINAL SEQUENCING

ENZYMATIC DIGEST	RETENTION TIME OF PEPTIDE (min)	MOLECULAR WEIGHT OF PEPTIDE (d)	N-TERM. ID
Gluc (V8)	6.716	2069.7	P5163
LysC	13.800	3351.2	P4431
LysC	13.800	3351.2	P2086
ArgC	6.860	2278.9	P5163

P4431 (SEQ ID NO: 327)
PREDICTED mw 36,775

P2086 (SEQ ID NO: 212)
PREDICTED mw 27,100

P5163 (SEQ ID NO: 328)
PREDICTED mw 7,081

FIG. 1B

PURIFICATION OF rLP2086

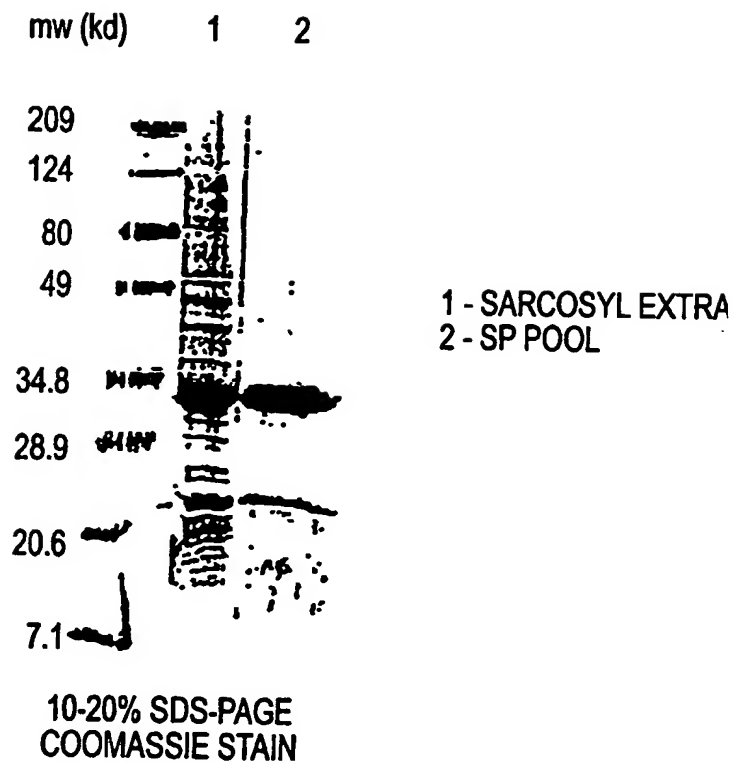
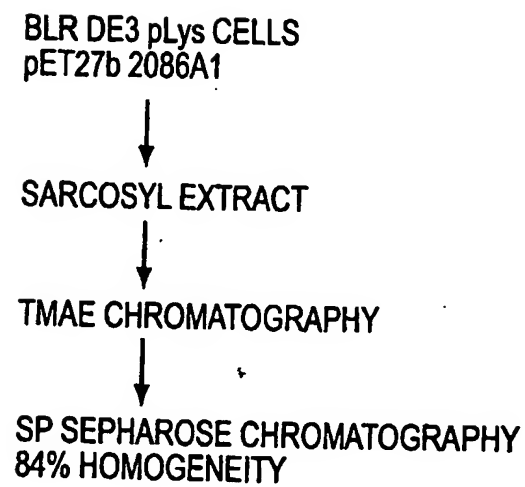


FIG. 2

IDENTIFICATION OF COMPONENTS IN THE UNABSORBED TMAE
FRACTION: LC-MS/MS
SDS-PAGE FOLLOWED BY GEL EXCISION, PROTEOLYTIC DIGESTION, AND LC-
MS/MS ANALYSIS (LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY)

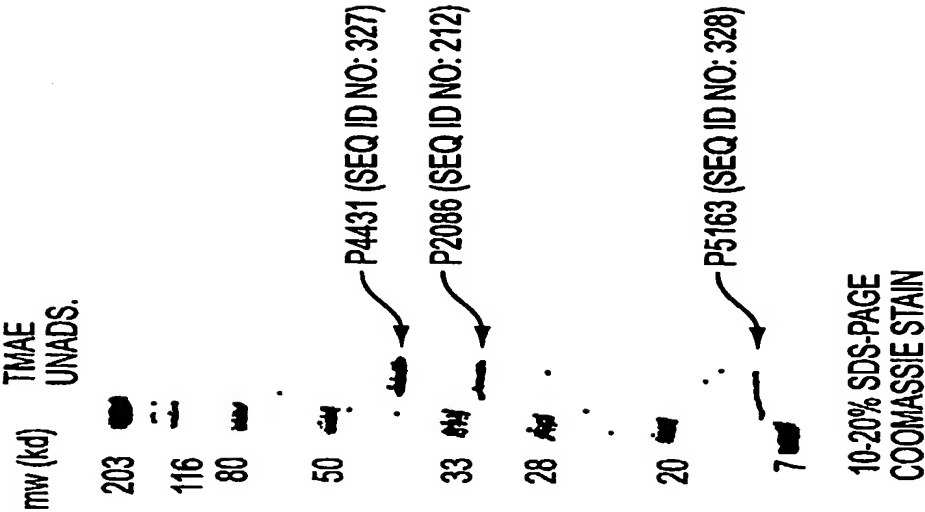


FIG. 3

EXPRESSION OF rLP2086

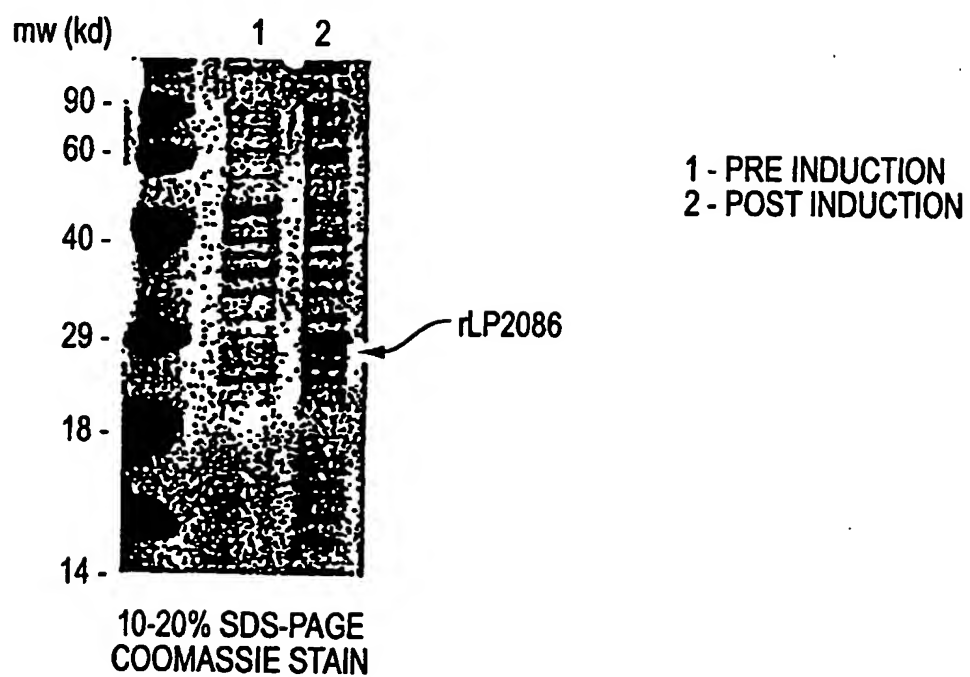


FIG. 4

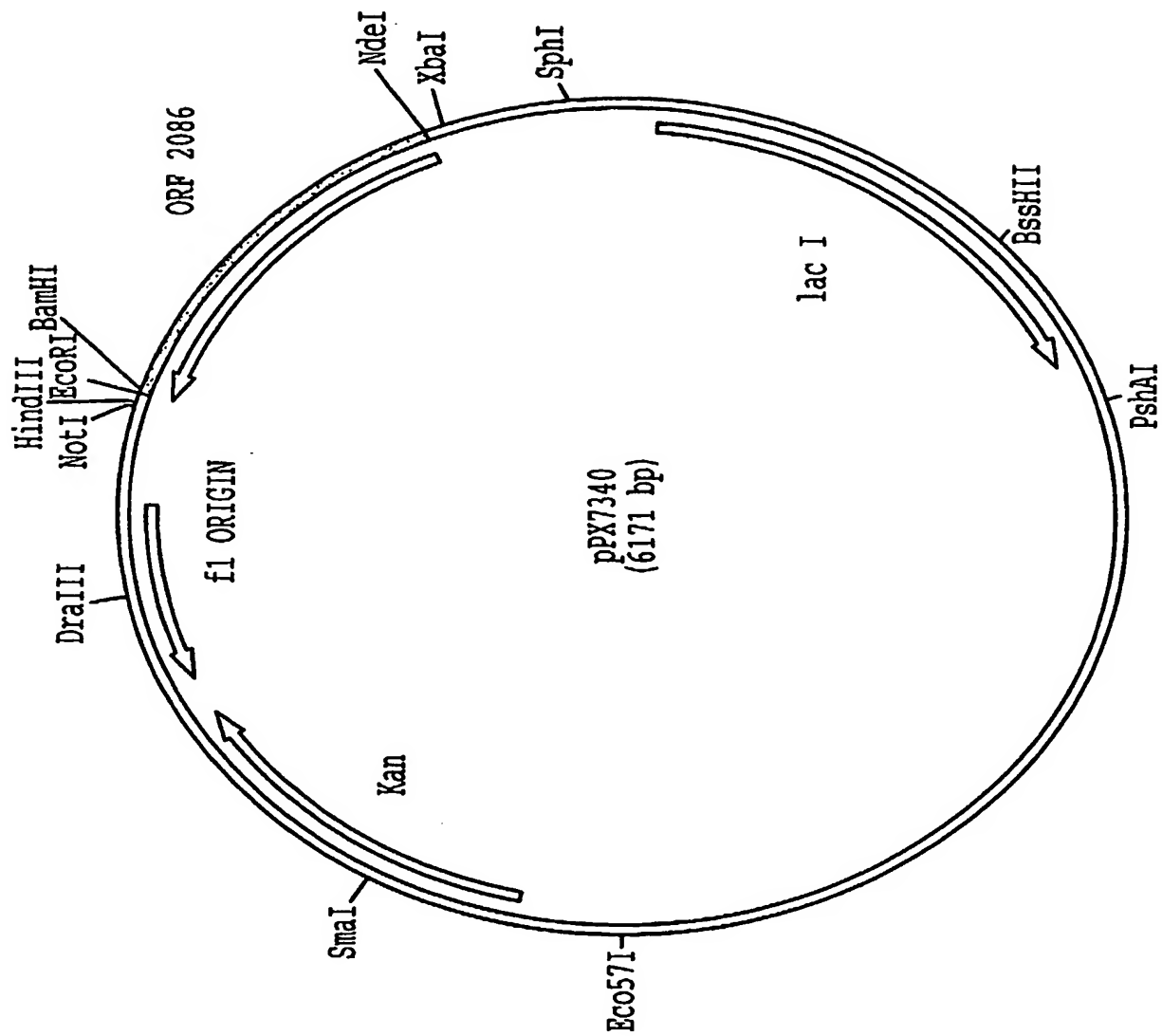


FIG. 5

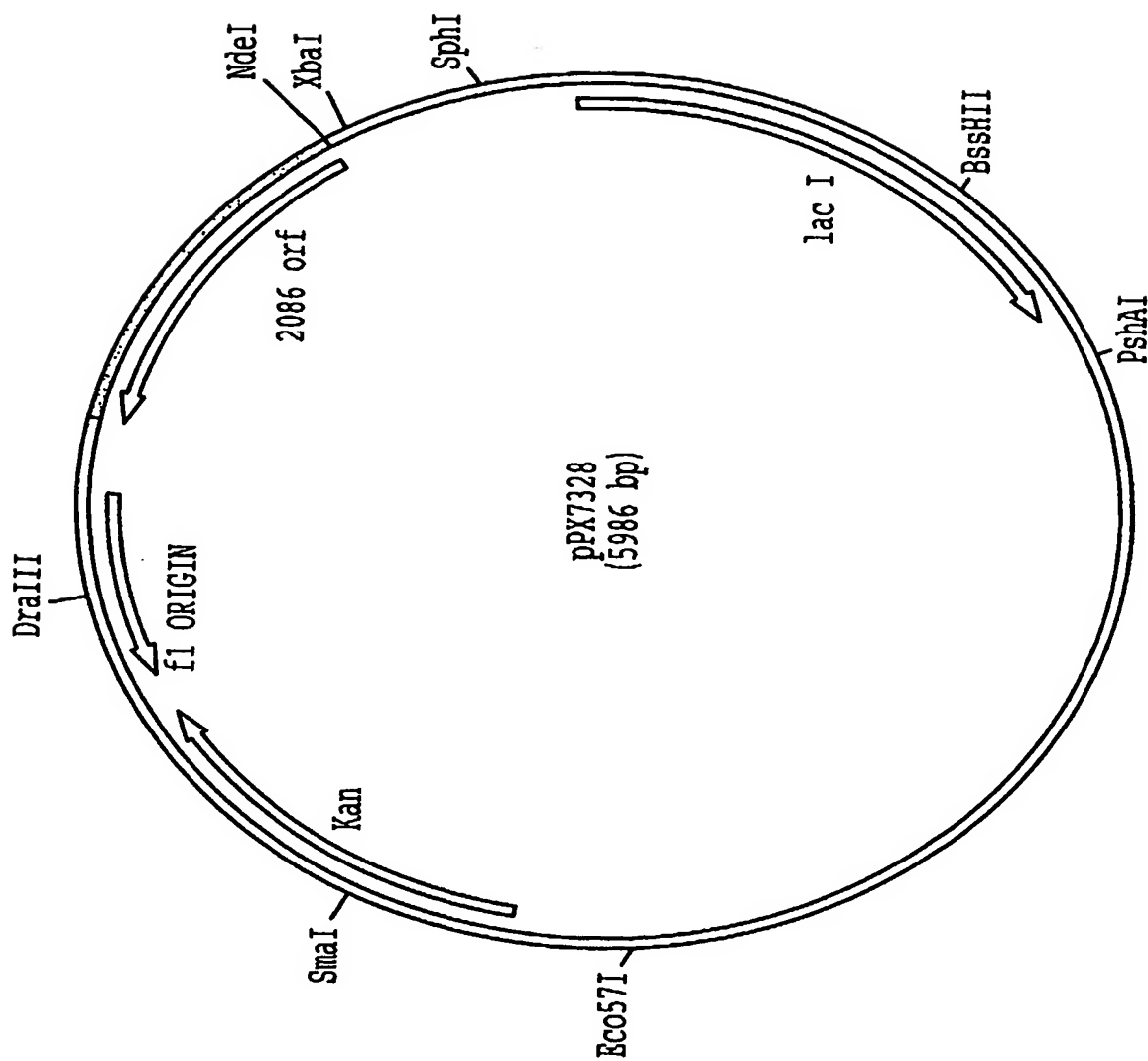


FIG. 6

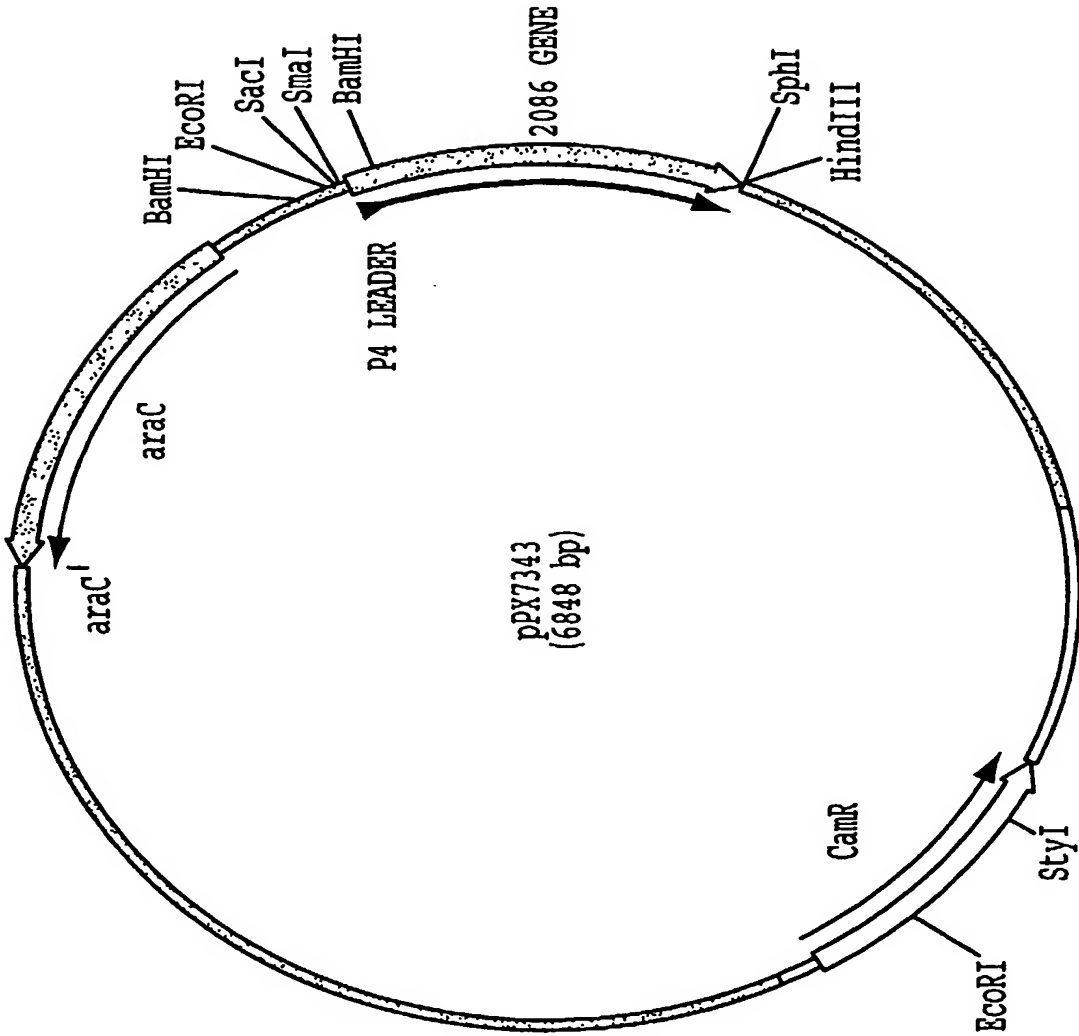


FIG. 7

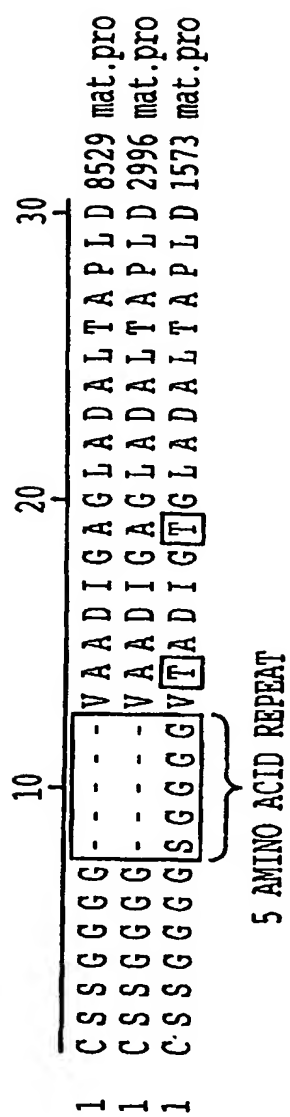


FIG. 8

IDENTIFICATION OF IMMUNOGENIC COMPONENT IN Nm STRAIN 8529

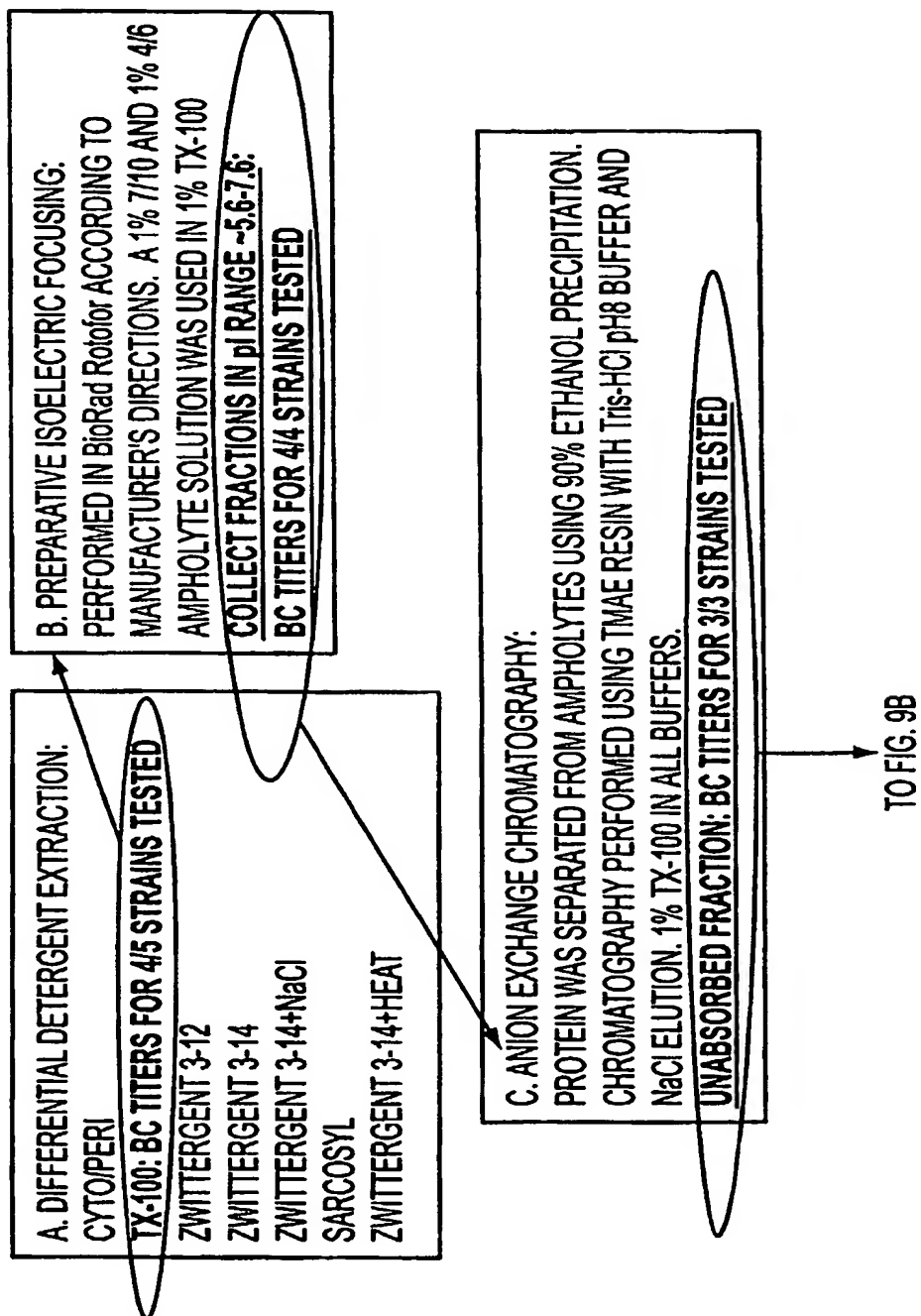


FIG. 9A

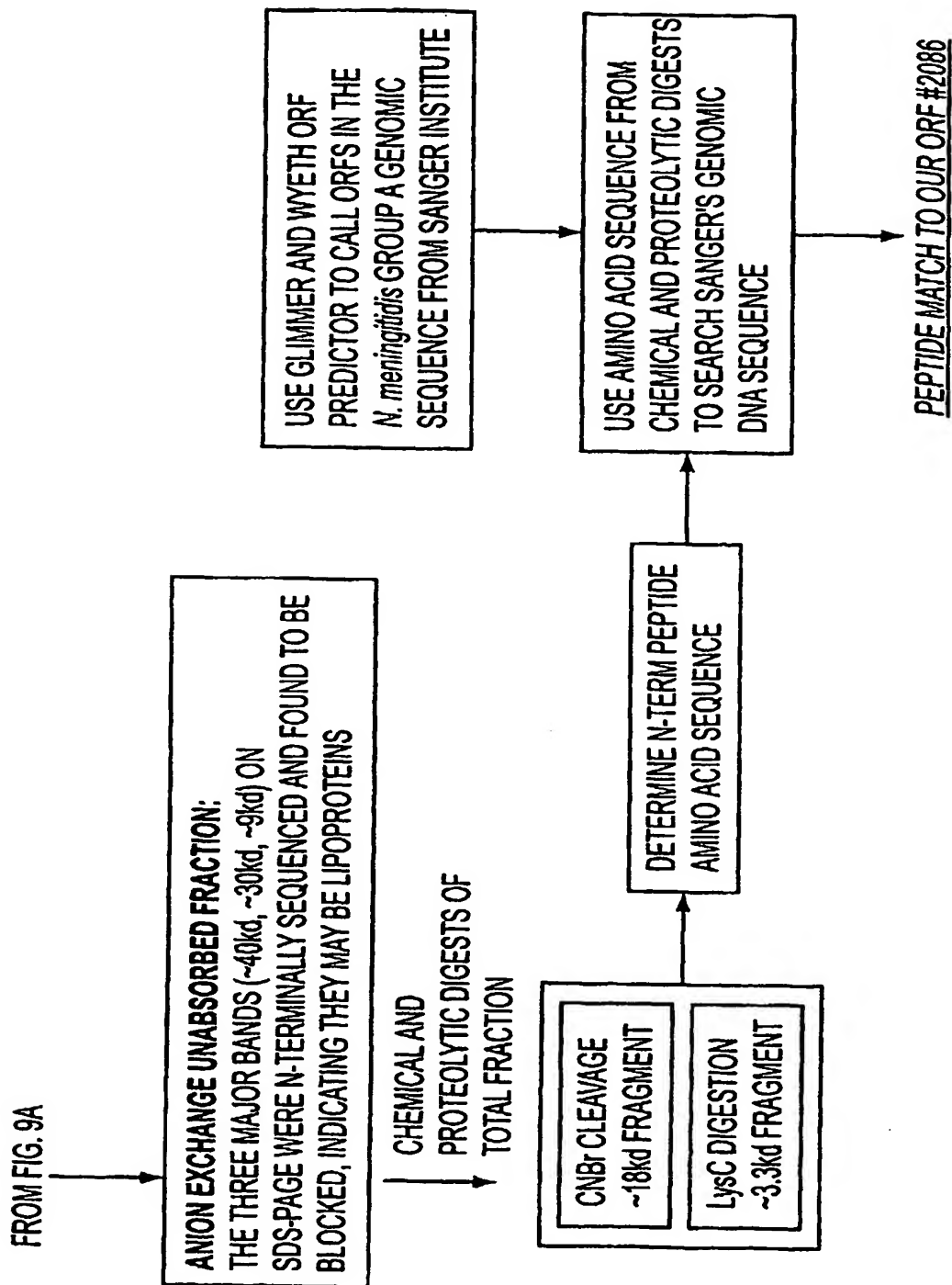


FIG. 9B

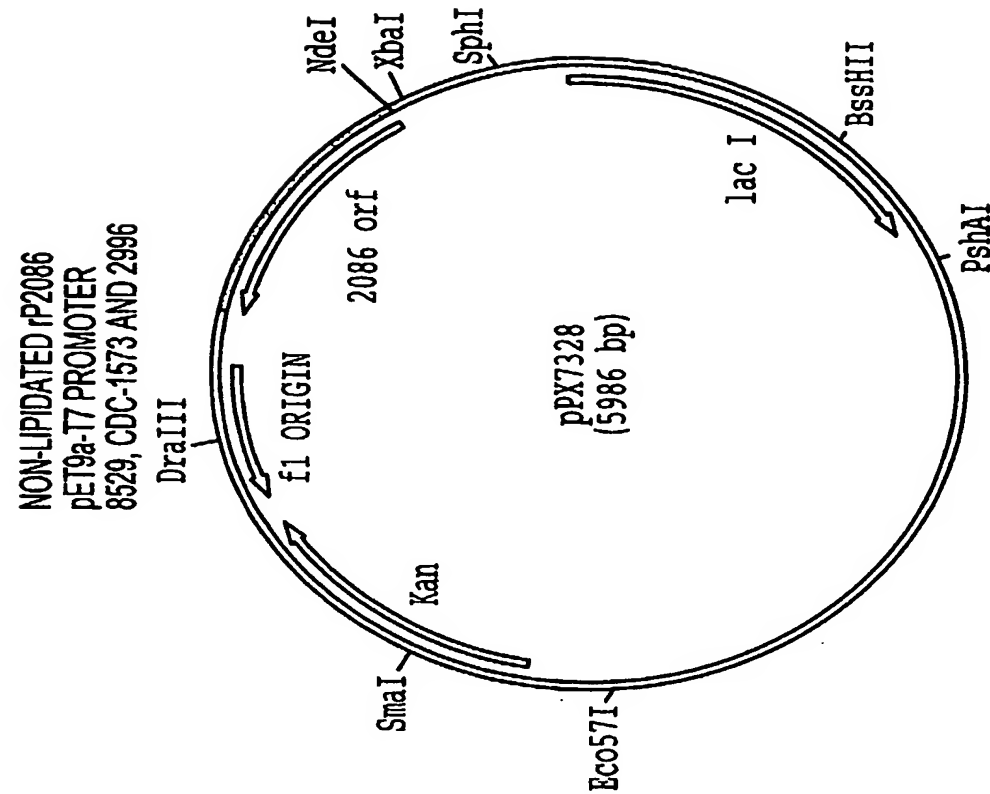


FIG. 10B

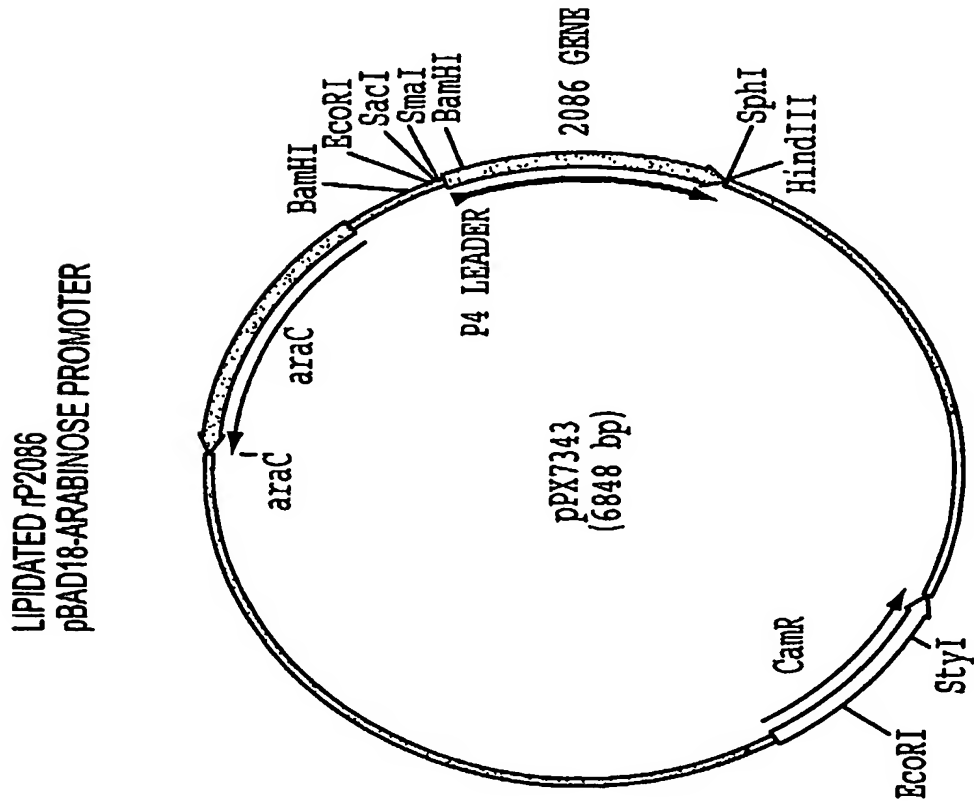


FIG. 10A

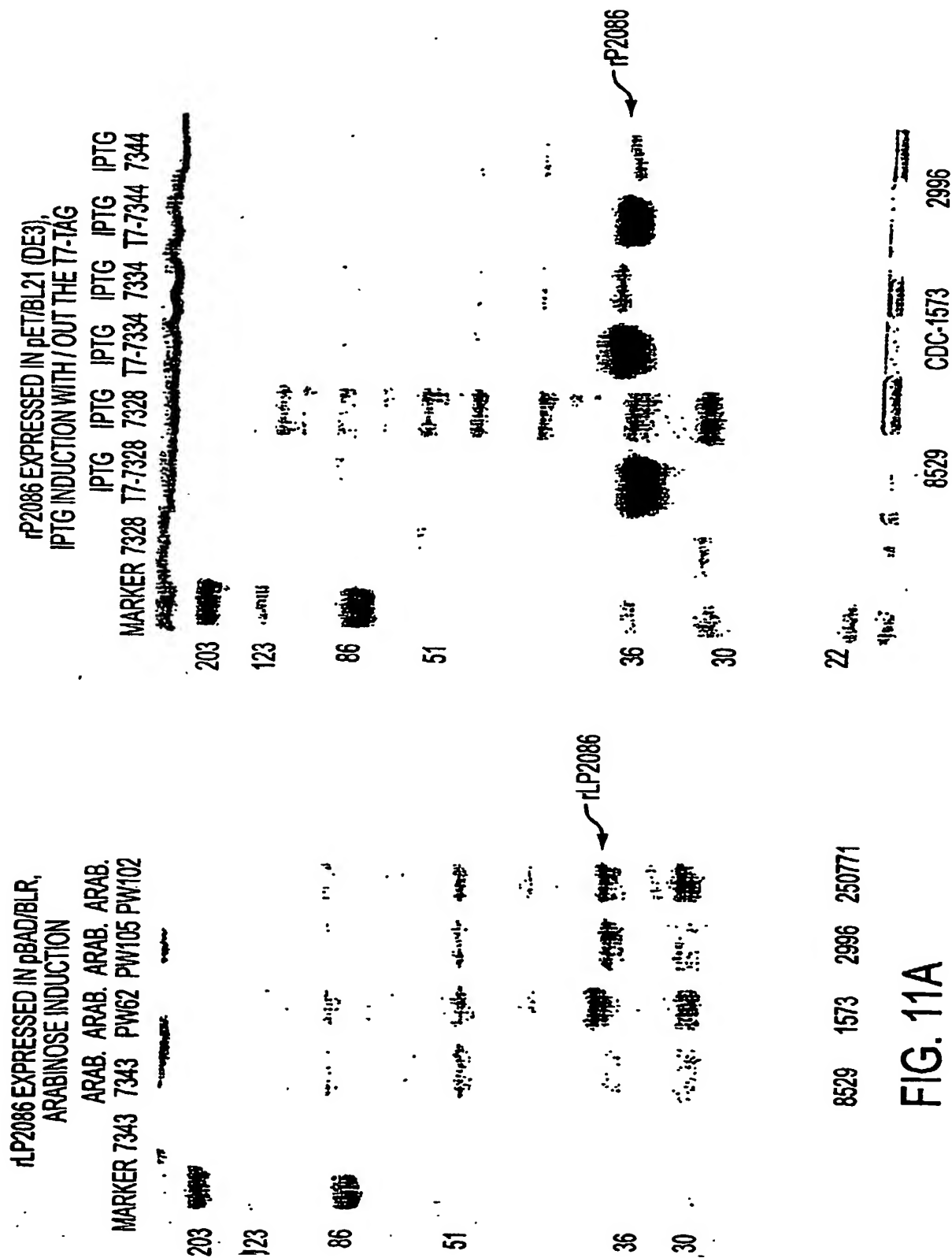


FIG. 11B

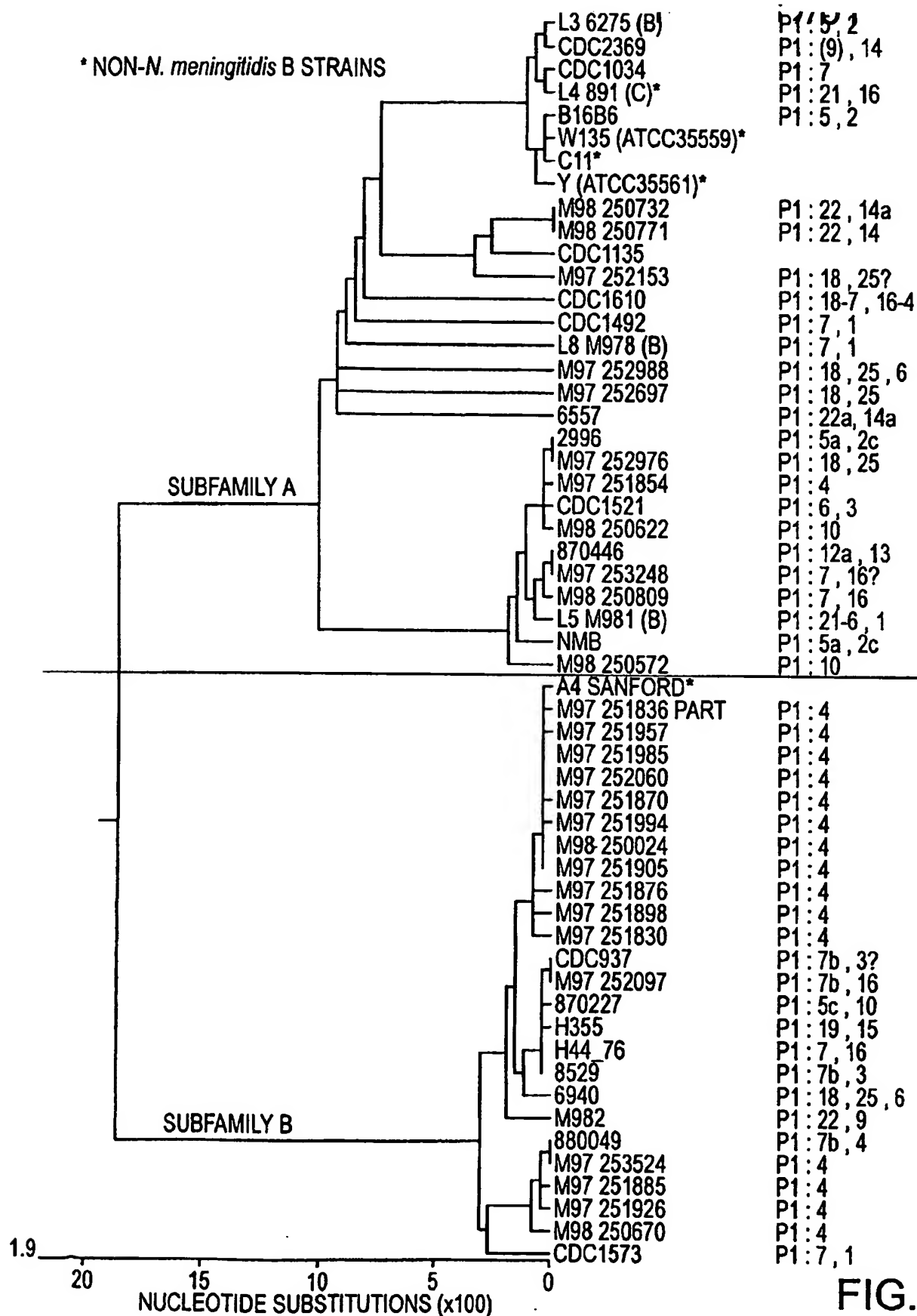


FIG. 12

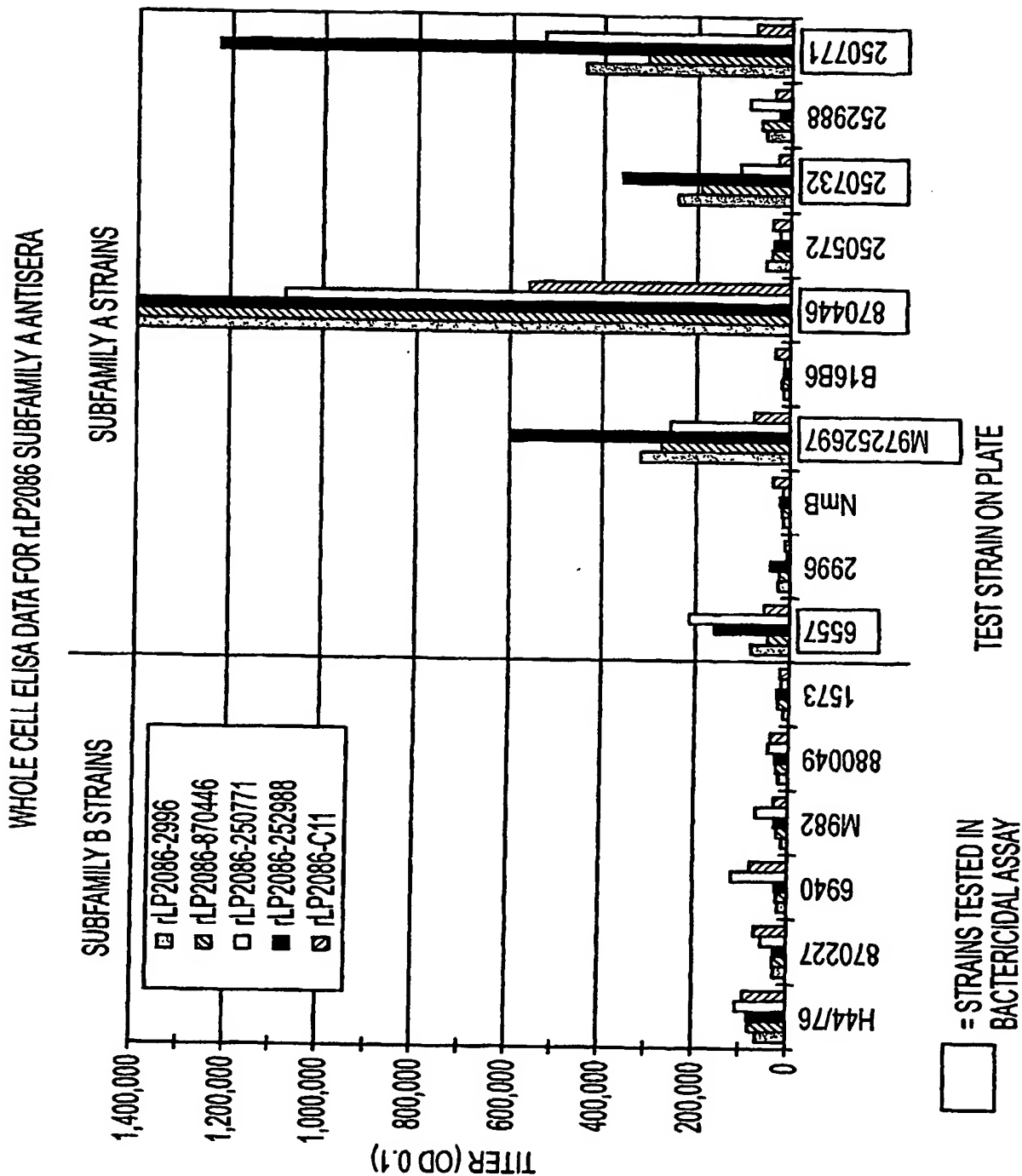


FIG. 13

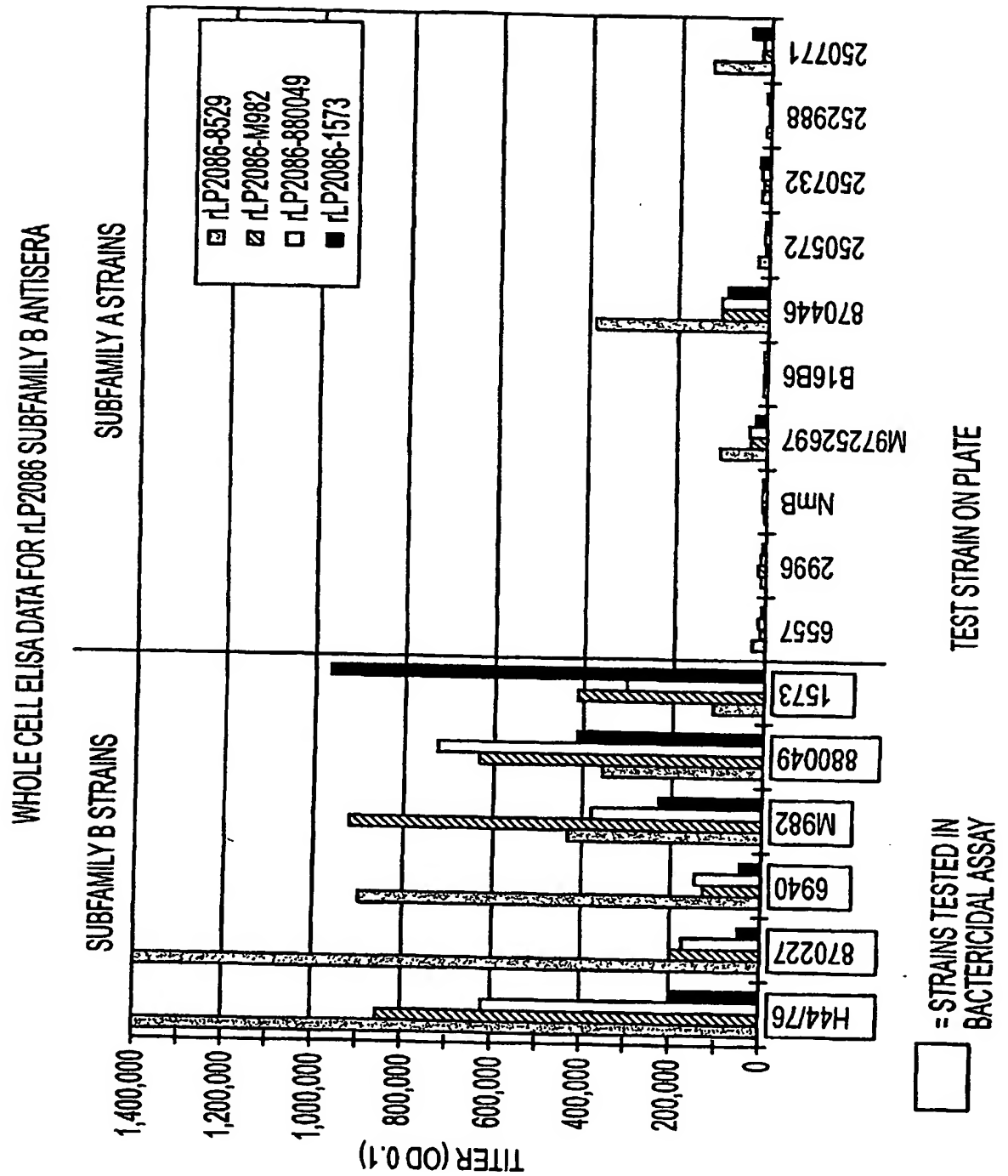
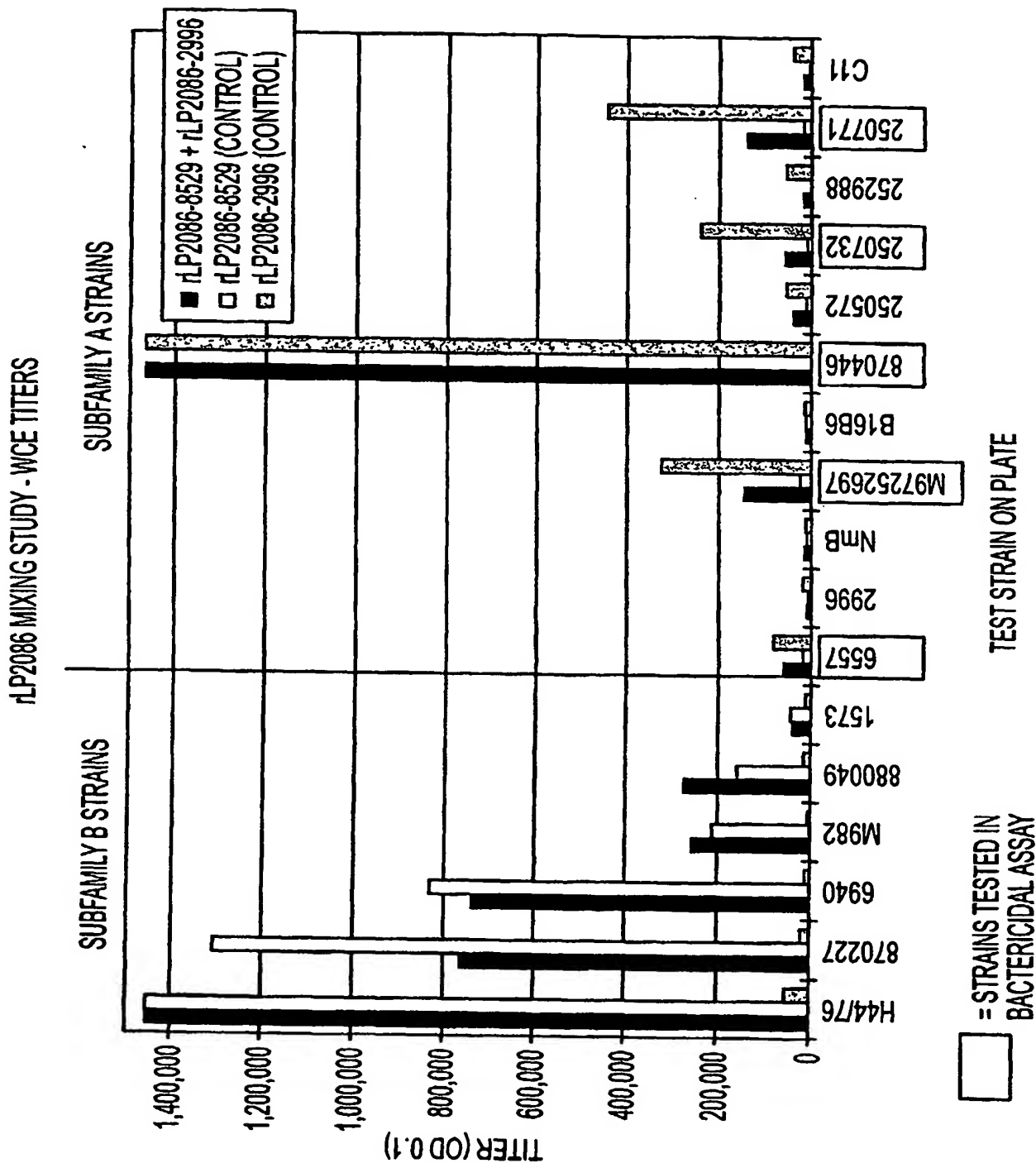
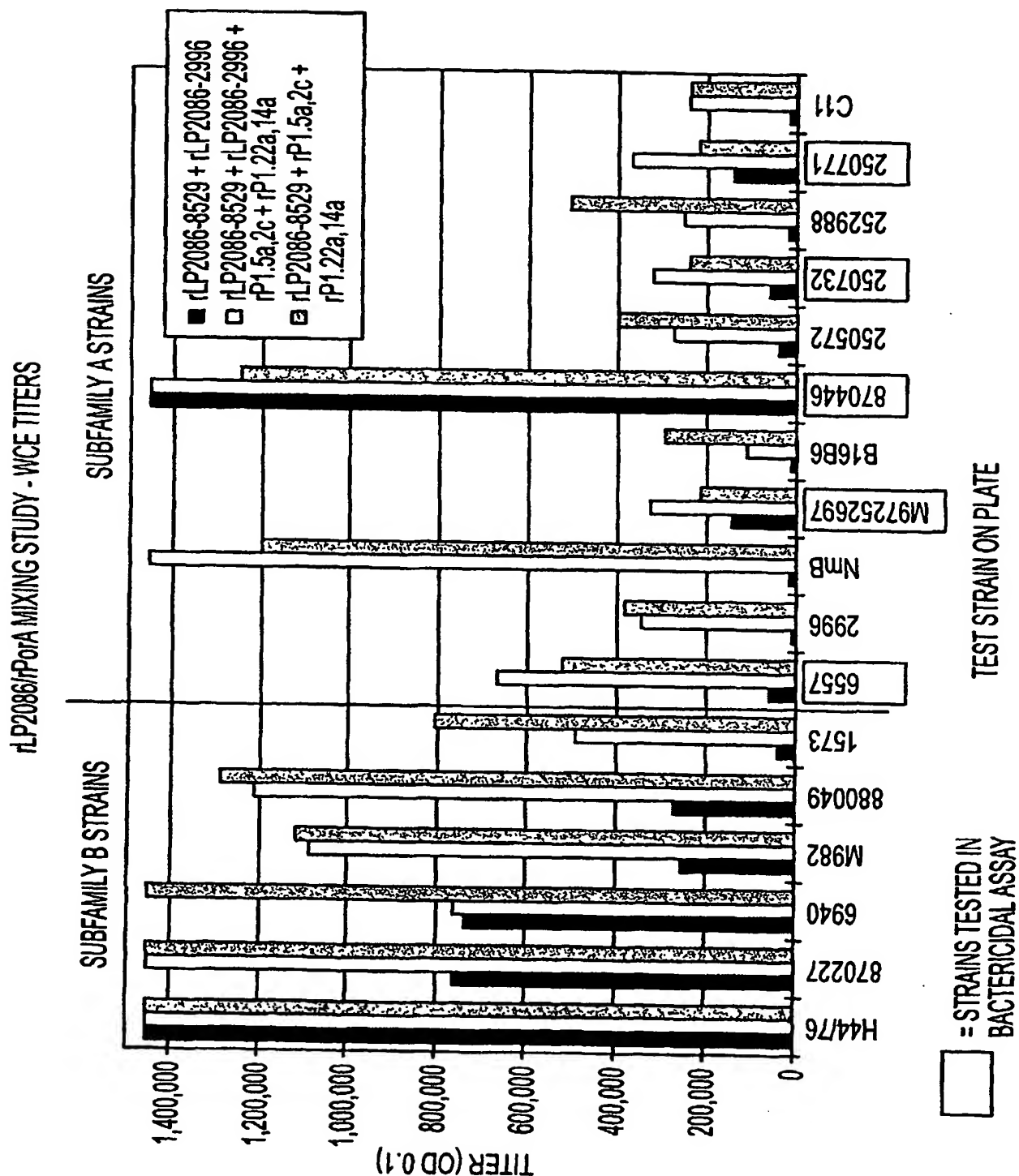
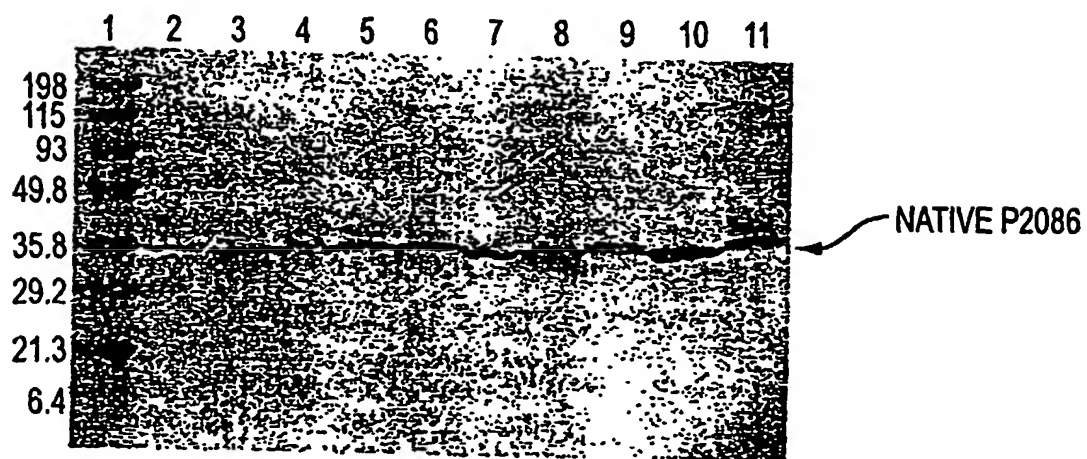


FIG 14





WESTERN BLOT REACTIVITY OF rLP2086 MOUSE ANTISERA TO
P2086 SUBFAMILY B *N. meningitidis* WHOLE CELL LYSATES



1 - MOLECULAR WEIGHT MARKER (kDa)

2 - M97 251985

3 - CDC937

4 - 6940

5 - M97 251926

6 - CDC1573

7 - CDC1359

8 - CDC1658

9 - M97 252026

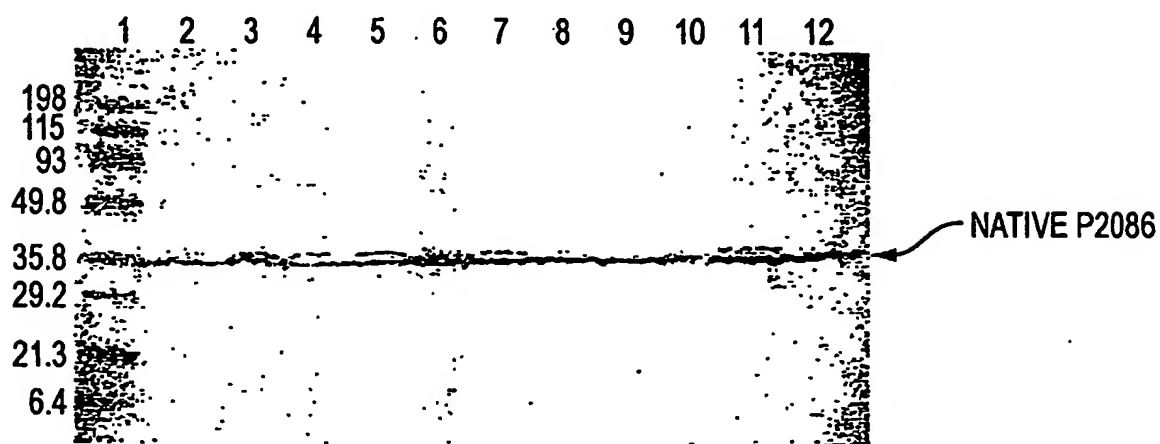
10 - M97 252029

11 - M982

SUBFAMILY B P2086 CELL LYSATES ARE ALL GROUP B *N. meningitidis*

FIG. 17

WESTERN BLOT REACTIVITY OF rLP2086 MOUSE ANTISERA TO
P2086 SUBFAMILY A *N. meningitidis* AND *N. lactamica*
WHOLE CELL LYSATES



1 - MOLECULAR WEIGHT MARKERS (kDa)
2 - GROUP A *N. meningitidis* A4 (P2086
SUBFAMILY B)
3 - GROUP C *N. meningitidis* - C11
4 - GROUP Y *N. meningitidis* -
ATCC35561
5 - GROUP W135 *N. meningitidis* -
ATCC35559
6 - *N. lactamica* - UR5

GROUP B *N. meningitidis*:
7 - CDC1034
8 - M98 250732
9 - NmB
10 - 6557
11 - CDC1521
12 - M97 252153

FIG. 18

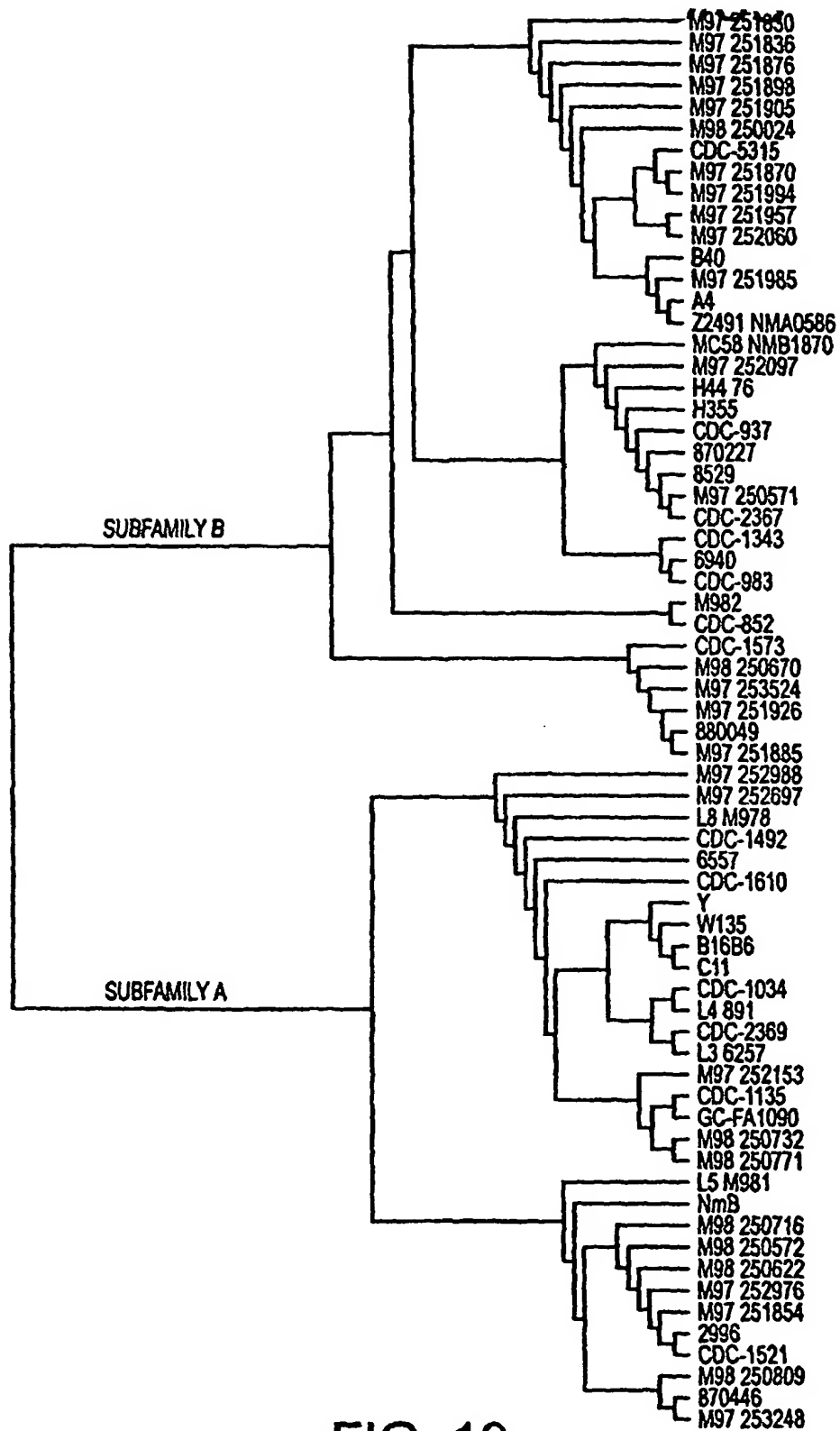


FIG. 19

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